

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: FAIL-SAFE

Report Number: P997314

Luminaire Tested: FSP-14-L3C3-CP250-4000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP250-4000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

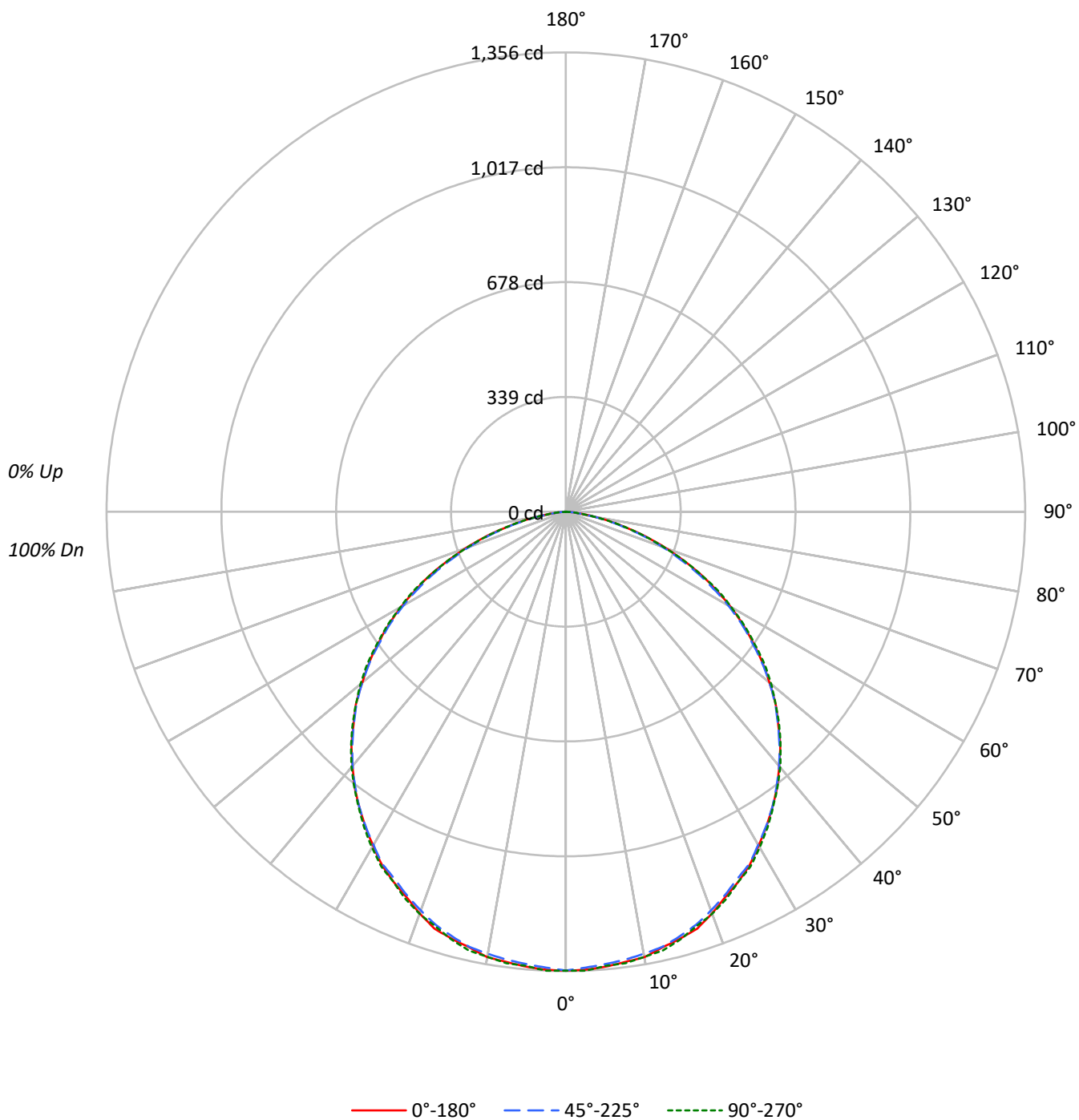
Lumens per Lamp: N/A
Luminaire Lumens: 3666.0 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 36.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63
5	77	64	55	49	75	63	55	48	61	54	48		59	52	47		57
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	33	46	38	33		45	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	35	30		40
10	54	40	33	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4706	4706	4706
5°	4702	4675	4693
10°	4711	4675	4706
15°	4692	4668	4701
20°	4665	4632	4670
25°	4620	4585	4620
30°	4566	4556	4592
35°	4510	4510	4521
40°	4443	4443	4466
45°	4357	4351	4376
50°	4243	4243	4278
55°	4091	4060	4122
60°	3905	3851	3923
65°	3634	3528	3624
70°	3194	3090	3169
75°	2578	2474	2578
80°	1779	1727	1779
85°	769	769	769

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4382 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.0	3.5
10°-20°	367.0	10.0
20°-30°	554.1	15.1
30°-40°	665.4	18.1
40°-50°	684.2	18.7
50°-60°	603.7	16.5
60°-70°	429.6	11.7
70°-80°	202.8	5.5
80°-90°	31.2	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1049.1	28.6
0°-40°	1714.5	46.8
0°-60°	3002.4	81.9
0°-90°	3666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3666.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1354	1354	1354	1354	1354	
5°	1348	1347	1340	1351	1345	128
15°	1304	1299	1298	1303	1307	368
25°	1205	1197	1196	1204	1205	555
35°	1063	1058	1063	1068	1066	665
45°	887	884	885	892	890	684
55°	675	677	670	678	680	604
65°	442	436	429	436	441	435
75°	192	191	184	188	192	207
85°	19	21	19	19	19	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1354.4	1354.4	1354.4	1354.4	1354.4
2.5°	1353.1	1350.6	1346.7	1351.9	1355.7
5°	1348.0	1346.7	1340.3	1350.6	1345.4
7.5°	1340.3	1342.8	1333.8	1340.3	1344.1
10°	1335.1	1327.4	1324.8	1330.0	1333.8
12.5°	1317.1	1317.1	1315.8	1317.1	1326.1
15°	1304.2	1299.0	1297.7	1302.9	1306.8
17.5°	1290.0	1279.7	1278.4	1282.3	1282.3
20°	1261.6	1252.6	1252.6	1259.1	1262.9
22.5°	1230.7	1229.4	1225.6	1237.2	1237.2
25°	1204.9	1197.2	1195.9	1203.7	1204.9
27.5°	1175.3	1168.9	1172.7	1172.7	1180.5
30°	1137.9	1135.4	1135.4	1141.8	1144.4
32.5°	1101.8	1099.3	1100.6	1104.4	1107.0
35°	1063.2	1058.0	1063.2	1068.3	1065.8
37.5°	1024.5	1021.9	1021.9	1025.8	1025.8
40°	979.4	975.6	979.4	985.9	984.6
42.5°	936.9	931.7	933.0	939.5	938.2
45°	886.6	884.1	885.3	891.8	890.5
47.5°	840.2	836.4	837.7	837.7	840.2
50°	784.8	784.8	784.8	788.7	791.3
52.5°	732.0	730.7	729.4	735.9	739.7
55°	675.3	676.6	670.1	677.9	680.4
57.5°	619.9	619.9	614.7	618.6	625.0
60°	561.9	558.0	554.1	559.3	564.5
62.5°	500.0	497.4	491.0	494.9	509.0
65°	442.0	435.6	429.1	435.6	440.7
67.5°	377.6	372.4	364.7	371.1	377.6
70°	314.4	310.6	304.1	308.0	311.9
72.5°	253.9	247.4	242.3	247.4	250.0
75°	192.0	190.7	184.3	188.2	192.0
77.5°	137.9	135.3	131.4	137.9	137.9
80°	88.9	88.9	86.3	87.6	88.9
82.5°	50.3	47.7	46.4	49.0	47.7
85°	19.3	20.6	19.3	19.3	19.3
87.5°	3.9	2.6	3.9	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.10	18.71	17.47	19.03	19.34	17.10	18.71	17.47	19.03	19.34
	3H	18.65	20.09	19.02	20.42	20.78	18.63	20.08	19.01	20.41	20.77
	4H	19.11	20.47	19.51	20.82	21.19	19.09	20.45	19.49	20.80	21.18
	6H	19.34	20.60	19.75	20.96	21.36	19.33	20.59	19.74	20.95	21.34
	8H	19.37	20.57	19.80	20.96	21.36	19.36	20.56	19.78	20.95	21.35
	12H	19.37	20.52	19.80	20.90	21.33	19.35	20.50	19.78	20.89	21.32
4H	2H	17.65	19.01	18.05	19.36	19.74	17.65	19.01	18.05	19.36	19.74
	3H	19.38	20.51	19.79	20.91	21.31	19.36	20.50	19.77	20.90	21.30
	4H	19.93	20.95	20.36	21.37	21.80	19.91	20.93	20.35	21.35	21.79
	6H	20.25	21.13	20.70	21.58	22.03	20.23	21.12	20.69	21.56	22.02
	8H	20.30	21.12	20.76	21.57	22.03	20.28	21.11	20.74	21.55	22.02
	12H	20.31	21.05	20.79	21.53	22.00	20.29	21.03	20.77	21.51	21.98
8H	4H	20.11	20.94	20.57	21.39	21.85	20.10	20.93	20.56	21.37	21.84
	6H	20.48	21.17	20.98	21.66	22.13	20.47	21.15	20.96	21.64	22.12
	8H	20.55	21.17	21.07	21.68	22.16	20.54	21.15	21.05	21.66	22.15
	12H	20.58	21.13	21.09	21.62	22.18	20.57	21.11	21.08	21.60	22.16
12H	4H	20.11	20.86	20.59	21.33	21.80	20.10	20.84	20.58	21.32	21.79
	6H	20.48	21.09	20.99	21.60	22.09	20.47	21.08	20.98	21.59	22.08
	8H	20.58	21.12	21.09	21.61	22.18	20.57	21.11	21.08	21.60	22.16